



Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 10

		<i>Complete if Known</i>
Application Number		10/788,510
Filing Date		February 27, 2004
First Named Inventor		CHISHTI, MUHAMMAD
Art Unit		3732
Examiner Name		Wilson, John J.
Attorney Docket Number		018563-004920US

## U.S. PATENT DOCUMENTS\*

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	2,467,432	04-19-1949	Kesling	
	AB	3,660,900	05-09-1972	Andrews	
	AC	3,860,803	01-14-1975	Levine	
	AD	3,916,526	11-04-1975	Schudy	
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	AF	4,014,096	03-29-1977	Dellinger	
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	BN	5,139,419	08-18-1992	Andreiko et al.	
	BO	5,184,306	02-02-1993	Erdman et al.	

Examiner Signature

*John Wilson*

Date Considered

1/3/05

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60297788 v1

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				Art Unit	3732
				Examiner Name	Wilson, John J.
Sheet	2	of	10	Attorney Docket Number	018563-004920US

<b>U.S. PATENT DOCUMENTS+</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
gwt	BP	5,186,623	02-16-1993	Breads et al.	
	BQ	5,257,203	10-26-1993	Riley et al.	
	BR	5,273,429	12-28-1993	Rekow et al.	
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	BW	5,368,478	11-29-1994	Andreiko et al.	
	BX	5,382,164	01-17-1995	Stern	
	BY	5,395,238	03-07-1995	Andreiko et al.	
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	CM	5,607,305	03-04-1997	Andersson et al.	
	CN	5,645,421	07-08-1997	Slotsky	
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	CS	5,975,893	11-02-1999	Chishti et al.	

<b>FOREIGN PATENT DOCUMENTS</b>							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
	CT	EP	091,876	A1	10-19-1983	Duret	<input type="checkbox"/>
	CU	EP	299,490	A2	01-18-1989	Stembichler et al.	<input type="checkbox"/>
	CV	EP	376,873	A2	07-04-1990	Shafir	<input type="checkbox"/>
	CW	EP	490,848	B1	06-17-1992	Andersson et al.	<input type="checkbox"/>
	CX	EP	541,500	A1	06-12-1998	Andersson et al.	<input type="checkbox"/>

Examiner Signature	<i>John Wilson</i>	Date Considered	<i>1/3/05</i>
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CY	EP		731,673	B1	09-18-1998 Andersson et al.	<input type="checkbox"/>
CZ	EP		774,933	B1	05-28-1997 Oden et al.	<input type="checkbox"/>
DA	FR		2,652,256	A1	03-29-1991 Jourda	<input type="checkbox"/>
DB	FR		2,369,828	A1	05-02-1978 Suyehiro	<input type="checkbox"/>
DC	WO		90/08,512	A1	08-09-1990 Lemcren	<input type="checkbox"/>
DD	WO		91/04,713	A1	04-18-1991 Jourda et al.	<input type="checkbox"/>
DE	WO		94/10,935	A1	05-26-1994 Andreiko et al.	<input type="checkbox"/>
DF	WO		98/44,865	A1	10-15-1998 Andersson	<input type="checkbox"/>
DG	WO		98/58,596	A1	12-30-1998 Chishti et al.	<input type="checkbox"/>

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<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	DH	ALEXANDER et al., "The DigiGraph Work Station Part 2, Clinical Management," <i>JCO</i> (July 1990), pp. 402-407.			T <sup>2</sup>
	DI	ALTSCHULER et al., "Laser Electro-Optic System for Rapid Three-Dimensional (3D) Topographic Mapping of Surfaces," <i>Optical Engineering</i> , Vol. 20(6) (1981), pp. 953-961.			
	DJ	ALTSCHULER et al., "Measuring Surfaces Space-Coded by a Laser-Projected Dot Matrix," <i>SPIE Imaging Applications for Automated Industrial Inspection and Assembly</i> , vol. 182 (1979), p. 187-191.			
	DK	ALTSCHULER et al., "Analysis of 3-D Data for Comparative 3-D Serial Growth Pattern Studies of Oral-Facial Structures," Program and Abstracts of Papers, Feb. 1975, <i>Journal of Dental Research</i> , Vol. 54, AADR Abstracts 1979, 2 pages total.			
	DL	ALTSCHULER, "3D Mapping of Maxillo-Facial Prosthesis," AADR Abstract #607, 1980, 2 pages total..			
	DM	American Association for Dental Research, Summary of Activities, March 20-23, 1980, Los Angeles, CA, p. 195.			
	DN	ANDERSSON et al., "Clinical Results with Titanium Crowns Fabricated with Machine Duplication and Spark Erosion," <i>Acta Odontologica Scandinavica</i> , vol. 47 (1989), pp. 279-286.			
	DO	BAUMRIND et al., "A stereophotogrammetric system for the detection of prosthesis loosening in total hip arthroplasty, Applications of Human Biostereometrics (NATO)," Proceedings of the Society of Photo-Optical Instrumentation Engineers, Vol. 166, July 9-13, 1978, pp. 112-123.			
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	DQ	BAUMRIND et al., "Seminars in Orthodontics," <i>Seminars in Orthodontics</i> , Vol. 7, No. 4 (Dec. 2001), p. 222.			
	DR	BAUMRIND, "A System for Craniofacial Mapping Through the Integration of Data from Stereo X-Ray Films and Stereo Photographs," An invited paper submitted to the 1975 American Society of Photogram. Symposium on Close-Range Photogram. Systems, University of Ill., Aug. 26-30, 1975, pp. 1-25.			
	DS	BAUMRIND, "Integrated Three-Dimensional Craniofacial Mapping: Background, Principles, and Perspectives," <i>Seminars in Orthodontics</i> , Vol. 7, No. 4 (Dec. 2001), pp. 223-232.			
	DT	BEGOLE et al., "A Computer System for the Analysis of Dental Casts," <i>The Angle Orthodontist</i> , Vol. 51 No. 3 (July 1981), pp. 253-259.			
	DU	BERNARD et al., "Computerized diagnosis in Orthodontics for Epidemiological Studies (progress report), Abstracts of Papers, <i>Journal of Dental Research</i> ; Vol. 71, Special Issue March 1-14, 1992, pp. 28-36.			
	DV	BHATIA et al., "A Computer-Aided Design for Orthognathic Surgery," <i>British Journal of Oral and Maxillofacial Surgery</i> , Vol. 22 (1984), pp. 237-253.			
	DW	BIGGERSTAFF et al., "Computerized analysis of occlusion in the postcanine dentition," <i>American Journal of Orthodontics</i> , Vol. 61, No. 3 (Mar. 1972), pp. 245-254.			

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	DX	BIGGERSTAFF, "Computerized Diagnostic Setups and Simulations," <i>The Angle Orthodontist</i> , Vol. 40, No. 1 (Jan. 1970), pp. 28-36.			T <sup>2</sup>
	DY	BRANDESTINI et al., "Computer Machined Ceramic Inlays: In Vitro Marginal Adaptation," <i>Journal of Dental Research</i> , Vol. 64/Special Issue/Abstracts, IADR/AADR Abstracts 1985, 1 page total.			
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	EA	BURSTONE (interview), "Dr. Charles J. Burstone on The Uses of the Computer in Orthodontic Practice (Parts 1 and 2)," <i>Journal of Clinical Orthodontics</i> , (Part 1) Vol. 8, No. 7 , July 1979; (Part 2) Vol. 8, No. 8 pp. 539-551, Aug. 1979.			
	EB	BURSTONE et al. "Precision adjustment of the transpalatal lingual arch: Computer arch form predetermination," <i>Am. Journal of Orthodontics</i> , Vol. 79, No. 2 (Feb. 1981), pp. 115-133.			
	EC	CHACONAS et al., "The DigiGraph Work Station, Part 1, Basic Concepts," <i>JCO</i> (June 1990), pp. 360-367.			
	ED	CHAFETZ et al., "Subsidence of the Femoral Prosthesis, A Stereophotogrammetric Evaluation," <i>Clinical Orthopaedics and Related Research</i> , No. 201 (December 1985), pp. 60-67.			
	EE	CHIAPPONE, "Constructing the gnathologic setup and positioner" <i>J. Clin. Orthod.</i> , 14:121-133, 1980.			
	EF	COTTINGHAM, "Gnathologic clear plastic positioner" <i>Am. J. Orthod.</i> , 55:23-31, 1969.			
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	EH	CRAWFORD, "CAD/CAM in the Dental Office: Does It Work?" <i>Canadian Dental Journal</i> , Vol. 57, No. 2 (Feb. 1991), pp. 121-123.			
	EI	CROOKS, "CAD/CAM Comes to USC," <i>USC Dentistry</i> , (Spring 1990) pp. 14-17.			
	EJ	CURETON, "Correcting malaligned mandibular Incisors with removable retainers" <i>J. Clin. Orthod.</i> , 30:390-395, 1996.			
	EK	CURRY et al., "Integrated Three-Dimensional Craniofacial Mapping at the Craniofacial Research Instrumentation Laboratory/University of the Pacific," <i>Seminars in Orthodontics</i> , Vol. 7, No. 4 (Dec. 2001), pp. 258-265.			
	EL	CUTTING et al., "Three-Dimensional Computer-Assisted Design of Craniofacial Surgical Procedures: Optimization and Interaction with Cephalometric and CT-Based Models," <i>Plastic and Reconstructive Surgery</i> , Vol. 77, No. 6 (June 1986), pp. 877-885.			
	EM	DCS Dental AG, "The CAD/CAM 'DCS Titan System' for Production of Crowns/Bridges" <i>DSC Production AG</i> , Jan. 1992, pp. 1-7.			

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	EN	DEFRANCO et al., "Three-Dimensional Large Displacement Analysis of Orthodontic Appliances," <i>J. Biomechanics</i> , Vol. 9 (1976), pp. 793-801.
	EO	Dental Institute University of Zurich Switzerland, Program for International Symposium on Computer Restorations: State of the Art of the CEREC-Method, May 1991, 3 pages total.
	EP	DenTrac Corporation, Dentrac document, pp. 4-13.
	EQ	DURET et al, "CAD-CAM in Dentistry," <i>Journal of the American Dental Association</i> , Vol. 117 (Nov. 1988), pp. 715-720.
	ER	DURET et al., "CAD/CAM imaging in dentistry," <i>Current Opinion in Dentistry</i> , Vol. 1 (1991), pp. 150-154.
	ES	DURET, "The Dental CAD/CAM, General Description of the Project," <i>Hennson International Product Brochure</i> , Jan. 1986., 18 pages total.
	ET	DURET, "Vers une prothèse informatisée," (English translation also attached), <i>Tonus</i> , vol. 75, (Nov. 15, 1985), pp. 55-57.
	EU	ECONOMIDES, "The Microcomputer in the Orthodontic Office," <i>JCO</i> , (Nov. 1979), pp. 767-772.
	EV	ELSASSER, "Some observations on the history and uses of the Kesling positioner" <i>Am. J. Orthod.</i> , 36:368-374, 1950.
	EW	FABER et al., "Computerized interactive orthodontic treatment planning," <i>Am. J. Orthod.</i> , Vol. 73, No. 1 (Jan. 1978), pp. 36-46.
	EX	FELTON et al. "A computerized analysis of the shape and stability of mandibular arch form," <i>Am. Journal of Orthodontics and Dentofacial Orthopedics</i> , Vol. 92, No. 6 (Dec. 1987), pp. 478-483.
	EY	FRIEDE et al., "Accuracy of Cephalometric Prediction in Orthognathic Surgery," Abstract of Papers, <i>Journal of Dental Research</i> , Vol. 70 (1987), pp. 754-760.
	EZ	GIM-ALIDENT Deutschland, "Das DUX System: Die Technik" 4 pages total.
	FA	GRAYSON, "New Methods for Three Dimensional Analysis of Craniofacial Deformity," Symposium: Computerized Facial Imaging in Oral and Maxillofacial Surgery, AAOMS Sept. 13, 1990, 3 pages total.
	FB	GUESS et al., "Computer Treatment Estimates in Orthodontics and Orthognathic Surgery," <i>JCO</i> , (April, 1989), pp. 262-28.
	FC	HEAVEN et al., "Computer-based Image Analysis of Artificial Root Surface Caries," "Automated Identification of Landmarks in Cephalometric Radiographs," Abstracts of Papers, <i>Journal of Dental Research</i> , Vol. 67, March 9-13, 1988, 2 pages total.

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	FD	HOFFMANN et al., "Role of Cephalometry for Planning of Jaw Orthopedics and Jaw Surgery Procedures," (Article Summary in English, article in German), <i>Informationen</i> , (March 1991), pp. 375-396.			
	FE	HUCKINS, "CAD-CAM Generated Mandibular Model Prototype from MRI Data," <i>AAOMS</i> 1999, p. 96.			
	FF	Inside the ADA, <i>Journal Of The American Dental Assoc.</i> , Vol. 118 (March 1989) 6 pages total.			
	FG	JSO Interviews, "Craig Andreiko , DDS, MS on the Elan and Orthos Systems", <i>JCO</i> , (Aug. 1994), pp. 459-468.			
	FH	JCO Interviews, "Dr. Homer W. Phillips on Computers in Orthodontic Practice, Part 2," <i>JCO</i> , (Dec. 1983), pp. 819-831.			
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				<i>Filing Date</i>	February 27, 2004
				<i>First Named Inventor</i>	CHISHTI, MUHAMMAD
				<i>Art Unit</i>	3732
				<i>Examiner Name</i>	Wilson, John J.
Sheet	8	of	10	Attorney Docket Number	018563-004920US

<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	FT	MCNAMARA et al., <i>Orthodontic and Orthopedic Treatment in the Mixed Dentition</i> , Needham Press, January 1993. pp.347-353.			
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